### Environmental Impact

- LBAM has the potential to devastate California's natural ecosystems, further threatening endangered flora and fauna species
- Establishment of this moth will cause direct environmental damage via increased pesticide use by commercial and residential growers.

## How Does This Pest Spread?

- This pest has previously been intercepted on foreign produced commodities such as fruits, vegetables and cut flowers.
- LBAM is most likely to spread via people moving infested plants, fruits and vegetables.





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# Light Brown Apple Moth (LBAM)

Have you seen this Pest?



To report a suspect pest call:

1-800-491-1899

California

Department of Food and Agriculture

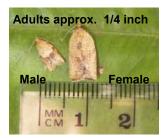
or your

County Agriculture Commissioner

## Where Does it Originate?

- This moth is originally from Australia, and has become established in New Zealand, New Caledonia, Hawaii and the British Isles.
- It has been recently discovered in portions of the San Francisco Bay Area.

#### What to Look For?











Fruit scarring

If you see signs of damage or the pest itself, call 1-800-491-1899

## What does its Presence in California Mean?

- Because California has such a diverse range of agriculture and natural plant life, this makes California highly susceptible to exotic pest invaders.
- LBAM is a an exotic pest species, meaning it does not naturally occur here and it has no natural enemies to reduce its population.
- LBAM has a broad host plant range, meaning it feeds on and damages plants and trees of a wide variety.
- Over 250 plants are at risk of being attacked by this moth. This includes but is not limited to: apple, pear, citrus, peach, avocado, oak, willow, walnut, pine, eucalyptus, roses, jasmine, strawberry, table and wine grapes, berries and other ornamental shrubs, bushes and trees.

#### **Trapping Methods**



Traps like the one above, are placed in host trees. The trap has a pheromone used to attract male LBAM. It has a sticky card placed in the bottom of the triangle to capture the insect.

## How Significant is LBAM to You?

- If you are a gardener, LBAM can potentially ruin your vegetable and flower gardens.
- This pest attacks native and ornamental, fruit and vegetable plants and has the potential to severely damage residential landscapes, orchards and agricultural crops including grapes.

#### **Economic Impact**

As shown in this US map, over 80% of the country has a climate that can support LBAM. Bay Area climate is conducive to LBAM growth, development and establishment. If this exotic pest is not eradicated in a timely manner, the annual economic loss would exceed \$70 million in lost jobs and infrastructure. Since the host list is so broad, the entire impact to California will be more than \$100 million in economic losses. California is the nation's leader in agricultural exports and in 2003 shipped more than \$7.2 billion in both food and agricultural commodities around the world.